Math Algebra 8_7

Student Name:_____   Date:_____

1.

Jeff has 2 dimes.

Each day he gets 3 more.

Which shows how many he has after (x) days?

A. 3 + 2x

B. 0 + 2x
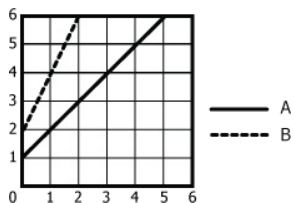
C. 2 + 3x

2.

4x + 2y = 10

x = 2

y = ___

A. 1

B. 4

C. 2

3.

Slope of Line B = ?

A. 1

B. $\frac{1}{2}$

C. 2

4.

x	0	1	2	3
y	0	3	6	9

Which fits?

A. y = 0 + x

B. y = 3x

C. y = 3 + x

5.

x	y
-1	-4
0	-3.5
1	-3
2	-2.5
3	-2
4	-1.5

Which fits?

A. $y = \frac{1}{2}x + 3.5$

B. $y = -\frac{1}{2}x - 3.5$

C. $y = \frac{1}{2}x - 3.5$

6.

$$y = \frac{1}{2}x + 2$$

$$x = 8$$

$$y = \underline{\quad}$$

A. 4

B. 16

C. 6

7.
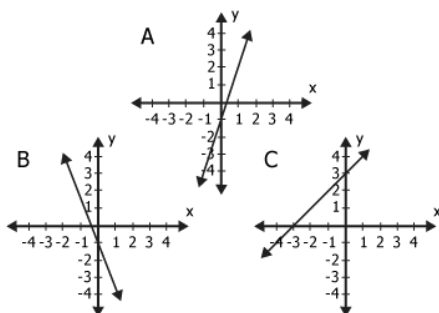
Which shows $y = 3x - 1$?

A. A

B. B

C. C

8.

A line has points:

(1, 4) and (4, 16)

slope = ___

A. $\frac{1}{4}$

B. 4

C. −2

9.

Which shows y = 2x − 1 ?

A. A

B. B

C. C

10.

y = x

slope = ___

A. −1

B. 0

C. 1

11.

Line A: y = 4x + 5

Line B is parallel to Line A.

slope of Line B = ___

A. 5

B. 4

C. −2

12.

The slope of a line is 6 when x < 0.

What is the slope when x > 0?
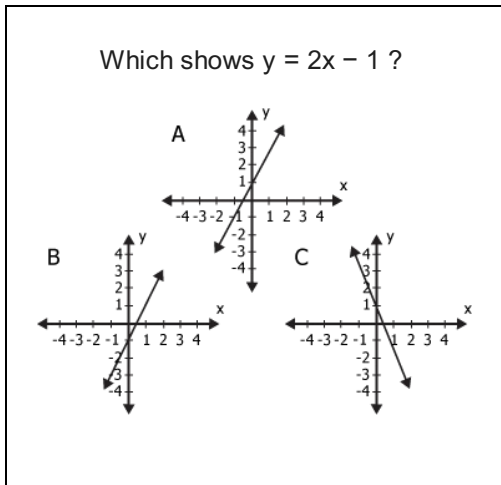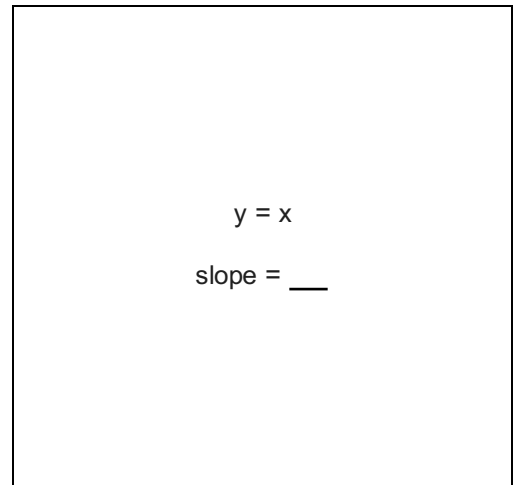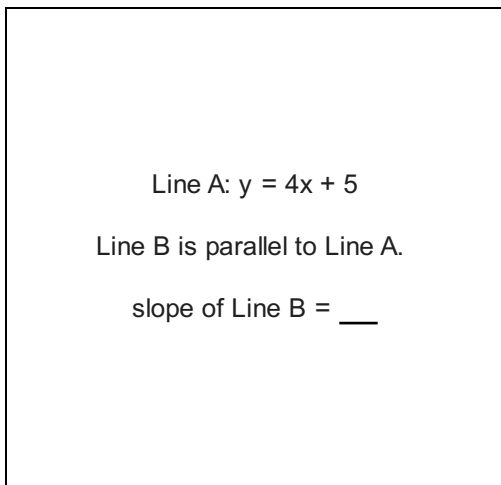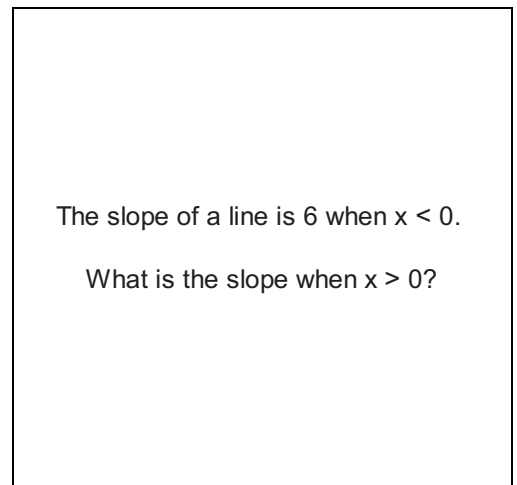
A. 21

B. 9

C. 6

13.

A line has points:
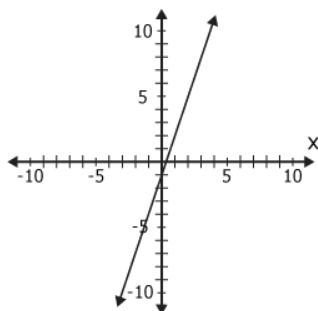
(7, 12) and (13, 14)

slope = ___

A. $\frac{1}{6}$

B. $\frac{1}{3}$

C. $\frac{1}{4}$

14.

$y = 3x + 2$

$y = 2x + 3$

Where do the lines intersect?

A. (3, 5)

B. (1, 5)

C. (5, 1)

15.

Which fits the line?

A. $y = 2x + 1$

B. $y = \frac{1}{3}x + 3$

C. $y = 3x - 1$

16.

$y = 3x$

$x = 600$

$y =$ ___

A. 1800

B. 3600

C. 200